

## C57BL/6J-*nmf148*/J

Stock No: 004765

 Chemically Induced Mutation

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

PLACE ORDER

[Email](#) [Download PDF](#) [Help](#)

*The Jackson Laboratory cannot guarantee that cryorecovery of strains from the discontinued NIH-funded Neuroscience Mutagenesis Facility (NMF) will be successful or that the anticipated phenotype or genotype will be obtained. The cryorecovery fee for this effort will not be refunded or prorated if the recovery is unsuccessful or is in any way unsatisfactory. Genotyping will be the responsibility of the Purchaser.*

READ MORE +

## GENETIC OVERVIEW

Genetic Background

Generation

*nmf148*

**Allele Type**

Chemically induced (ENU)

**Gene Symbol**

*nmf148*

**Gene Name**

neuroscience mutagenesis facility, 148

VIEW GENETICS

## RESEARCH APPLICATIONS

Internal/Organ Research

Developmental Biology Research

Neurobiology Research

Immunology, Inflammation and Autoimmunity Research

VIEW ALL RESEARCH APPLICATIONS

## BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

V I E W   P R I C E   L I S T

### Details

#### Detailed Description

The mutants are small and show an intense body tremor with unsteady, 'seal-like' gait; their hind limbs appear weak, i.e. appear to carry the body weight with difficulty only, and sometimes one or the other hind limb lags behind. The phenotype can be observed at 3.5 weeks of age ( $\pm 0.63$ ;  $n=118$ ). Mice of either gender are affected.

Standard pathology work-up on two mutants (27 or 28 days of age) revealed a hypoplastic spleen with atrophy of both lymphoid and hemaopoietic areas, and atrophy of the thymus in both mice. Hypoplastic **bone marrow** was noted in one, and fatty changes in the liver were noted in the other animal.

#### Development

#### Control Suggestions

### Genetics

#### *nmf148*

### Disease/Phenotype

#### Disease Terms

#### Research Areas By Phenotype

#### Mammalian Phenotype Terms by Genotype

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

[Genotyping resources and troubleshooting](#)

Breeding Considerations

A colony needs to be maintained through ovarian transplants and heterozygote matings.

[Additional Breeding and Husbandry Support](#)

Appearance

black, small and ataxic

Related Genotype: *a/a nmf148/nmf148*

black, unaffected

Related Genotype: *a/a nmf148/+*, *a/a +/+*

Citation

When using the C57BL/6J-*nmf148/J* mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #004765 in your Materials and Methods section.

Animal Health Reports

[Facility Barrier Level Descriptions](#)

*Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, G200*

Pricing & Availability



Cryo Recovery

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

Domestic International

Pricing effective for USA, Canada and Mexico shipping destinations

CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT

DESCRIPTION

PRICE

## PAYMENT TERMS AND CONDITIONS

Terms are granted by individual review and stated on the customer invoice(s) and account statement. These transactions are payable in U.S. currency within the granted terms. Payment for services, products, shipping containers, and shipping costs that are rendered are expected within the payment terms indicated on the invoice or stated by contract. Invoices and account balances in arrears of stated terms may result in The Jackson Laboratory pursuing collection activities including but not limited to outside agencies and court filings.

## THE JACKSON LABORATORY'S GENOTYPE PROMISE

The Jackson Laboratory has rigorous genetic quality control and mutant gene genotyping programs to ensure the genetic background of JAX® Mice strains as well as the genotypes of strains with identified molecular mutations. JAX® Mice strains are only made available to researchers after meeting our standards. However, the phenotype of each strain may not be fully characterized and/or captured in the strain data sheets. **Therefore, we cannot guarantee a strain's phenotype will meet all expectations.** To ensure that JAX® Mice will meet the needs of individual research projects or when requesting a strain that is new to your research, we suggest ordering and performing tests on a small number of mice to determine suitability for your particular project. We do not guarantee [breeding performance](#) and therefore suggest that investigators order more than one breeding pair to avoid delays in their research.

### Terms Of Use

#### TERMS OF USE

[General Terms and Conditions](#)

Q U E S T I O N S   A B O U T   T E R M S   O F   U S E

#### LICENSING INFORMATION

Phone: 207-288-6470

Email: [TechTran@jax.org](mailto:TechTran@jax.org)

### Related Strains

All

By Allele

By Gene

By Collection



## DO YOU NEED BALB/c MICE?

Rely on JAX to provide the models you need, when you need them.

[LEARN MORE](#)



CONTACT



DONATE



SUBSCRIBE

[JAX HOME](#) [CAREERS](#) [LEGAL INFORMATION](#)

[RESEARCH CENTERS](#) [MOUSE GENOME INFORMATICS](#)

[MOUSE PHENOME DATABASE](#)

*Leading the search for*

# TOMORROW'S CURES



©2021 THE JACKSON LABORATORY

Choose other country or region



^ E F F D B

Did you find what you were looking for?

Yes  No